

Message

From: Mary Ellen Tuccillo [maryellen.tuccillo@cadmusgroup.com]
Sent: 3/12/2019 6:50:23 PM
To: Shea, Valois [Shea.Valois@epa.gov]; Suchomel, Bruce [Suchomel.Bruce@epa.gov]
CC: Shari.Ring@cadmusgroup.com
Subject: RE: [EXT] RE: Emailing: WA 3-96 Task 1.1 Annotated bibliography
Attachments: ATT00001.txt

Hi Valois,

It sounds like you are right about the file sizes – those references definitely didn't make it through back in November. Thank you for sending them along!

Six email messages have arrived with attachments. I'll let you know if we have trouble opening any of them.

Mary Ellen

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Water is the driving force of all nature. Leonardo da Vinci

From: Shea, Valois <Shea.Valois@epa.gov>
Sent: Tuesday, March 12, 2019 12:56 PM
To: Mary Ellen Tuccillo <maryellen.tuccillo@cadmusgroup.com>; Suchomel, Bruce <Suchomel.Bruce@epa.gov>
Cc: Shari Ring <Shari.Ring@cadmusgroup.com>
Subject: [EXT] RE: Emailing: WA 3-96 Task 1.1 Annotated bibliography

Hi Mary Ellen,

I think my Nov 27th emails with references for the conceptual model and the geochemical model did not get to you. The files may have been too large. The good news is that some were duplicates of papers on Rick's list and one you already included in the annotated bibliography. That just leaves these four:

1. CamecoSRH_MineUnit1_AppendixC_ACL_Application_ML18186A337.pdf
2. EPA-HQ-OAR-2012-0788-DRAFT-0017.pdf
3. g5model-final.pdf
4. JohnsonTutu2016.pdf (much of this info may be included in the 2016 paper you reference)

I also dug up the two papers and the book you were not able to find (although you may not thank me for finding the book!). I will send these references in follow-up emails.

I thought I would do a better job this time tracking the emails and attached files so we can determine if any get lost along the way.

I will send 6 emails that will include the four documents listed above, the two papers you mentioned and the Guillaumont et al. 2003 tome. Unfortunately, while looking for Guillaumont, I found another similar but related reference on uranium thermodynamics that Rick thought I should send (I'm throwing him under the bus for this even though I am the one who found it!). Sadly, this second reference is also very lengthy. (I say "sadly" because thermodynamics was not my favorite class.) I will send it in the 6th email.

Valois

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From: Mary Ellen Tuccillo <maryellen.tuccillo@cadmusgroup.com>
Sent: Wednesday, March 6, 2019 2:06 PM
To: Suchomel, Bruce <Suchomel.Bruce@epa.gov>; Shea, Valois <Shea.Valois@epa.gov>
Cc: Shari.Ring@cadmusgroup.com
Subject: Emailing: WA 3-96 Task 1.1 Annotated bibliography

Hi Bruce and Valois,

Please find attached our draft annotated bibliography for Task 1.1. Among the 50 sources in this bibliography, we included most of the 20 papers and reports in the list you had initially provided. We have not been able to get a few of them but will be happy to look at them if we obtain copies:

- Anastasi, F.S., and Williams, R.E., 1984, Aquifer restoration at uranium in situ leach sites: International Journal of Mine Water, v. 3 (4), pp. 29–37.
 - Borch, T., Rochem, N., and Johnson, T.E., 2012, Determination of contaminant levels and remediation efficacy in groundwater at a former in situ recovery uranium mine: Journal of Environmental Monitoring, v. 14, p. 1814–1823.
 - Guillaumont, R., Fanghanel, T., Fuger, J., Grenthe, I., Neck, V., Palmer, D., Rand, M.H., 2003, Update on the chemical thermodynamics of uranium, neptunium, plutonium, americium, and technetium: Elsevier, Amsterdam, 919 p.
- The sources in this bibliography are focused on ISR and for many, the Dewey Burdock site. We did not include fundamental geologic, geochemical, and hydrogeologic references and books that we will use as appropriate during this project - with the exception of a book on geochemical modeling that contains a section on a uranium-contaminated site.

Please let us know if you have any questions. We look forward to speaking soon.

Mary Ellen

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